

### North Dakota State University Math-in-CTE Project Principal Endorsement Form--Career-Technical Education Teacher

\_\_\_\_\_ has agreed to participate in the Math-in-CTE project, which is a research study of math-enhanced high school career and technical education (CTE). This teacher will be randomly selected from a pool of volunteers to be in either an experimental or control group for this project. We ask you to sign this form to indicate that you are informed about the study and support the teacher's participation in the 2007-2008 academic year.

#### Background Information:

The purpose of this study is to test whether high school students can learn mathematics in math-enhanced CTE courses. This involves a new way of teaching math within the regular CTE curriculum without losing CTE skill development.

If the teacher is selected to be in the experimental group, these are the requirements of the study that the teacher has agreed to meet:

- Participate in professional development workshops designed help this teacher incorporate mathematical concepts in a CTE area. These workshops will be held five days in the fall of 2007, four days during the spring of 2008, and one day in the summer of 2008. All costs associated with attending these workshops (including substitute teacher pay) will be paid by the research study.
- Teach all of the math-enhanced lessons planned for the year as a part of the regular curriculum.
- Cooperate in the data collection activities that include surveys, interviews, and testing of teachers and students in the fall and at the end of the school year; videotaping of selected classes; and collection of teaching samples. Only students who agree to participate in the study and whose parents do not object to their participation will be tested.

If the teacher is selected to be in the control group, these are the requirements of the study that the teacher has agreed to meet:

- Teach the class as usual, without increased attention to mathematics.
- Cooperate in the data collection activities that include surveys, interviews, and testing of teachers and students in the fall and at the end of the school year. Only students who agree to participate in the study and whose parents do not object to their participation will be tested.

#### Contacts and Questions:

The researchers conducting this study are Assistant Professors at North Dakota Sate University. If you have questions, you may contact Dr. Brent Young at [brent.young@ndsu.edu](mailto:brent.young@ndsu.edu); phone: (701) 231-7439 or Dr. Mari Borr at [mari.borr@ndsu.edu](mailto:mari.borr@ndsu.edu); phone: (701) 231-7968. If you have any questions or concerns regarding the rights of research participants or to report a problem, contact the NDSU IRB at [ndsu.irb@ndsu.edu](mailto:ndsu.irb@ndsu.edu); phone: (701) 231-8908.

Please retain a copy of this form to keep for your records.

I have read the above information. I support the participation of the teacher indicated above in this study.

Printed name

Signature

Date \_\_\_\_\_